Title (en)

TRAIN COMMUNICATION SYSTEM, IN-VEHICLE DEVICE, VEHICLE INFORMATION CONTROL DEVICE, AND SIGNAL CONVERSION METHOD

Title (de)

ZUGKOMMUNIKATIONSSYSTEM, FAHRZEUGINTERNE VORRICHTUNG, VORRICHTUNG ZUR STEUERUNG VON FAHRZEUGINFORMATIONEN UND SIGNALUMWANDLUNGSVERFAHREN

Title (fr)

SYSTÈME DE COMMUNICATION DE TRAIN, DISPOSITIF EMBARQUÉ, DISPOSITIF DE COMMANDE D'INFORMATIONS DE VÉHICULE ET PROCÉDÉ DE CONVERSION DE SIGNAL

Publication

EP 3489074 A1 20190529 (EN)

Application

EP 16910455 A 20160725

Priority

JP 2016071729 W 20160725

Abstract (en)

A train communication system 100 which performs communication between a vehicle-mounted device and a TCMS 10 includes one or a plurality of the vehicle-mounted devices and the TCMS 10. The vehicle-mounted device converts a signal to the TCMS 10 into a signal in a network transmission format which is a format used for transmission over a network 110 connectable by a plurality of vehicle-mounted devices and transmits the signal via the network 110, and converts a signal in the network transmission format received from the TCMS 10 via the network 110 into a signal in an original format. The TCMS 10 converts a signal to the vehicle-mounted device into a signal in the network transmission format and transmits the signal via the network 110, and converts a signal in the network transmission format received from the vehicle-mounted device via the network 110 into a signal in an original format.

IPC 8 full level

B60L 15/42 (2006.01)

CPC (source: EP US)

B60L 15/00 (2013.01 - US); **B60L 15/42** (2013.01 - US); **B61L 15/0018** (2013.01 - US); **B61L 15/0036** (2013.01 - EP US); **B61L 15/0072** (2013.01 - EP US); **H03M 9/00** (2013.01 - US); B61L 2205/00 (2013.01 - US); Y02T 90/16 (2013.01 - US)

Cited by

CN114175582A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3489074 A1 20190529; **EP 3489074 A4 20190605**; **EP 3489074 B1 20220413**; JP 6271094 B1 20180131; JP WO2018020551 A1 20180726; US 11285981 B2 20220329; US 2019241201 A1 20190808; WO 2018020551 A1 20180201

DOCDB simple family (application)

EP 16910455 A 20160725; JP 2016071729 W 20160725; JP 2017532197 A 20160725; US 201616318732 A 20160725